

## Mechanical Engineering Technical, Professional<sup>3</sup>, and MechSE\* Electives

Subject	Approved Electives**
ABE	361,430 <sup>3</sup> ,436,445,452 <sup>3</sup> ,454,455,456,457,459,466,469,476,483,488,497 <sup>1</sup> ,498 <sup>2</sup>
AE	352,402,403,410,412*,416,419,420*,428*,433,434,435,442,443,451,452*,454,456,460,461,468,480,482*,483,485,497 <sup>1</sup> ,498 <sup>2</sup>
ASRM	402,410,450,451,453,461,469,471,472
ATMS	301,302,304,306,312,405,406,410,411,420,424
BIOC	406,446,455
BIOE	380,414,415,416,427,430,461*,467,476,479,480,481*,482*,485,497 <sup>1</sup> ,498 <sup>2</sup>
BIOP	401,419,432
CEE	310,320,330,340,350,360,380,398 <sup>2</sup> ,401,405,406,407,408,409,410,411,412,415,416,417 <sup>3</sup> ,418,419,420,421,422,434,437,438,440,442,443,444,447,449,450,451,452,453,457,458,460,461,462,463,465,467,468,469,470,471,472,473,474,483,484,490,491,497 <sup>1</sup> ,498 <sup>2</sup>
CHBE	413,422,424,451,453,458,459,461,471,472,473,474,475,476,478
CHEM	232,233,236,237,312,315,317,332,420,436,437,440,442,444,445,447,452,460,472,480,482,483,488,497 <sup>1</sup>
CS	225,233,242,340,341,357,374,407,409,410,411,412,413,414,415,417,418,419,420,421,422,423,424,425,426,427,428,429,431,433,436,437,438,439,440,441,442,443,444,445,446,447,448,450,460,461,463,465,466,467,468 <sup>3</sup> ,469,473,474,475,476,477,481,482,483,484,498 <sup>2</sup>
CSE	401,402,408,412*,414,422,423,426,427,428,429,440,441,448,450*,451*,461,485
ECE	329,330,333,340,342,343,350,364,365,374,380,385,391,395,401,402,403,407,408,410,411,414,415,416,417,418,419,420,422,424,425,428,431,435,437,438,439,441,443,444,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,467,468,469,470*,472,473*,476,478,479,480,481,482,483,484,486,487,488,489*,490,491,492,493,495,498 <sup>2</sup>
ECON	302 <sup>3</sup>
ES	470,475
ENG	491 <sup>3</sup>
GEOL	450 <sup>3</sup> ,451,454,460
IE	310,311,330,340,360,361,370,371,400,410,411,412,413,420,430,431,434,445 <sup>3</sup> ,497 <sup>1</sup> ,498 <sup>2</sup>
MATH	314,347,357,403,412,413,414,417,418,423,424,425,427,428 <sup>2</sup> ,432,442,444,446,447,448,450,453,464,466,473,475,481,482,484,487,489,490 <sup>2</sup> ,492 <sup>1</sup>
MCB	401,402,406,419,446,450,493 <sup>2</sup>
ME*	All 400-level classes, except 470. Note: 497 <sup>1</sup> ,498 <sup>2</sup>
MSE	304,307,308,401,402,403,405,406,420,421,422,440,441,443,450,453,455,456*,457,458,460,461,464,466,470,473,474,480,481,485,487,488,489,497 <sup>1</sup> ,498 <sup>2</sup>
NPRE	321,330,402,412,413,421,423,429,435,441,442,445,448,449,451,452,455,457,461,498 <sup>2</sup>
PHYS	329,330,370,401,402,403,404,427,435,436,446,460,466,470,475,485,486,487,496 <sup>3</sup> ,497 <sup>1</sup> ,498 <sup>2</sup>
SE	400 <sup>3</sup> ,402,411,412,413,420,422*,423,424,450 <sup>3</sup> ,497 <sup>1</sup> ,498 <sup>2</sup>
STAT	409,410,420,424,425,426,428,429,430 <sup>2</sup> ,431,432,433,434,437,440,443 <sup>3</sup> ,448,480
TAM*	All 400-level classes. Note: 497 <sup>1</sup> ,498 <sup>2</sup>
TE	461 <sup>3</sup>
TMGT	460,461

\*Only ME & TAM courses (and their cross-lists) from this list satisfy the MechSE Elective requirement; note that credits in excess of the MechSE Elective 6-hour requirement will fulfill Technical Elective requirements, but not vice versa.

\*\*A maximum of 6 hours total of ME 199, Professional Technical Electives<sup>3</sup>, and independent study courses<sup>1</sup> can be applied to MechSE and Technical Elective requirements, subject to the restrictions outlined below. **See reverse side for footnotes.**

1. No more than 3 hours of independent study courses may be used to satisfy MechSE and Technical Elective requirements. Additional hours may be used as free electives. Technical Elective credit for independent study courses from other departments can be petitioned by submitting a Curricular Modification request with a formal description of the work to be performed at <https://my.mechse.illinois.edu/ugpetitions>. A final report must be submitted to the faculty advisor and the Undergraduate Programs Office (1056 Lu MEB) upon course completion.
2. Special Topics courses can be petitioned for MechSE or Technical Elective credit by submitting a Curricular Modification request with a full course syllabus with schedule of topics at <https://my.mechse.illinois.edu/ugpetitions>. This should be done *before* registration to ensure fulfillment of degree requirements.
3. This course falls under the Professional Elective category. No more than 3 hours of Professional Elective credit may be used to satisfy the Technical Elective requirements.